AUTODOC CLUB

# How to change rear brake discs on **Mercedes Vito W638** – replacement guide

## VIDEO TUTORIAL

**Important!**

This replacement procedure can be used for:
MERCEDES-BENZ VITO Bus (638) 108 D 2.3 (638.164), MERCEDES-BENZ VITO Bus (638) 110 TD 2.3 (638.174), MERCEDES-BENZ VITO Bus (638) 113 2.0 (638.114, 638.194), MERCEDES-BENZ V-Class (W638/2) V 230 TD (638.274), MERCEDES-BENZ V-Class (W638/2) V 230 (638.234, 638.294), MERCEDES-BENZ VITO Bus (638) 114 2.3 (638.134, 638.194), MERCEDES-BENZ V-Class (W638/2) V 280 (638.244, 638.294), MERCEDES-BENZ V-Class (W638/2) V 200 (638.214, 638.294), MERCEDES-BENZ VITO Box (638) 108 D 2.3 (638.064, 638.068), MERCEDES-BENZ VITO Box (638) 110 D 2.3 (638.074, 638.078), MERCEDES-BENZ VITO Box (638) 113 2.0 (638.014, 638.094), MERCEDES-BENZ VITO Box (638) 114 2.3 (638.034, 638.094), MERCEDES-BENZ V-Class (W638/2) V 200 CDI (638.294), MERCEDES-BENZ V-Class (W638/2) V 220 CDI (638.294), MERCEDES-BENZ VITO Bus (638) 108 CDI 2.2 (638.194), (+ 4)

The steps may slightly vary depending on the car design.

# REPLACEMENT: BRAKE DISCS – MERCEDES VITO W638. TOOLS YOU MIGHT NEED:

- Wire brush
- WD-40 spray
- Brake cleaner
- Anti-squeal paste
- Copper grease
- Drive socket # 13
- Drive socket # 16
- Wheel impact socket #17
- Brake caliper wind back tool
- Ratchet wrench
- Torque wrench
- Phillips screwdriver
- Impact screwdriver
- Rubber mallet
- Crow bar
- Wheel chock

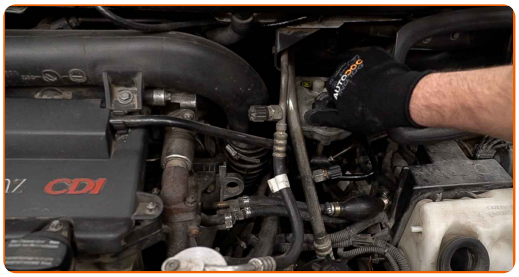
BUY TOOLS

Replacement: brake discs – Mercedes Vito W638. AUTODOC recommends:

- Replace the brake disks on the car Mercedes Vito W638 in complete set for each axis. Regardless of the state of components. This will ensure even braking.
- The replacement procedure is identical for both brake disks on the same axle.
- When changing the brake discs, always replace the brake pads.
- All work should be done with the engine stopped.

## REPLACEMENT: BRAKE DISCS – MERCEDES VITO W638. TAKE THE FOLLOWING STEPS:

**1** Open the bonnet. Unscrew the brake fluid reservoir cap.




**2** Secure the wheels with chocks.

**3** Loosen the wheel mounting bolts. Use wheel impact socket #17.

**4** Raise the rear of the car and secure on supports.

**5** Unscrew the wheel bolts.

## Replacement: brake discs – Mercedes Vito W638. Professionals recommend:

- To avoid injury, hold up the wheel when unscrewing the bolts.

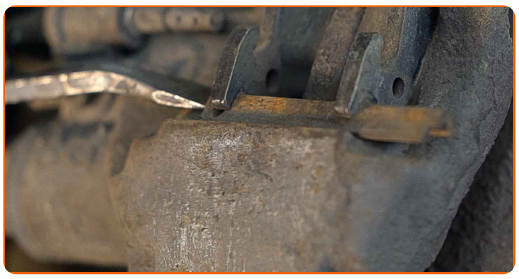
**6** Remove the wheel.

**7** Clean the brake pads fasteners. Use a wire brush. Use WD-40 spray.

**8** Remove the retaining springs of the brake pads. Use a crowbar.

**9** Remove the brake pad retaining pin.

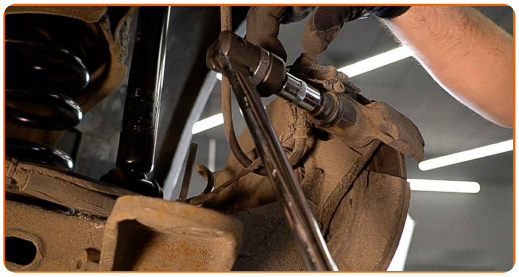
**10** Remove the retainer of the brake pads. Use a crowbar. Use a rubber mallet.



**11** Remove the brake pads. Use a crowbar.

**12** Clean the brake caliper fasteners. Use a wire brush. Use WD-40 spray.

**13** Unscrew the brake caliper fastening. Use a drive socket #13. Use a drive socket #16. Use a ratchet wrench.

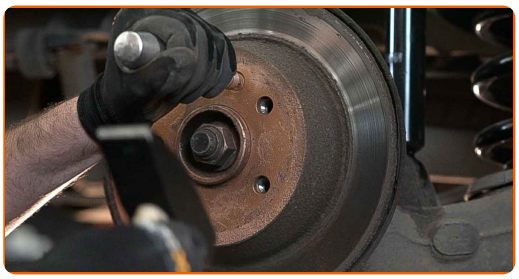


**14** Remove the brake caliper.

## Replacement: brake discs – Mercedes Vito W638. Tip:

- Tie the caliper to the suspension or to the body with a wire without disconnecting from the brake hose to prevent depressurization of the brake system.
- Make sure that the brake caliper is not hanging on the brake hose.
- Don't press the brake pedal after the brake caliper has been removed. As a result, the piston can fall out from the brake cylinder, and brake fluid leakage and depressurization of the system may occur.

**15** Unscrew the brake disc fastening. Use a Phillips screwdriver. Use an impact screwdriver.



## Replacement: brake discs – Mercedes Vito W638. AUTODOC experts recommend:

- If necessary, use a rubber mallet.

**16** Remove the brake disc.

**17** Clean the hub. Use a wire brush. Treat the contacting surface. Use copper grease.

**18** Install the brake disc.

**19** Tighten the brake disc fastening. Use a Phillips screwdriver. Use a torque wrench. Tighten it to 9 Nm torque.

**20** Treat the brake caliper piston. Use a brake cleaner.

## AUTODOC recommends:

- Replacement: brake discs – Mercedes Vito W638. After applying the spray, wait a few minutes.

**21** Press in the brake caliper piston. Use brake caliper wind back tool.

**22** Clean the mounting seat of the brake caliper. Use a wire brush. Use WD-40 spray.

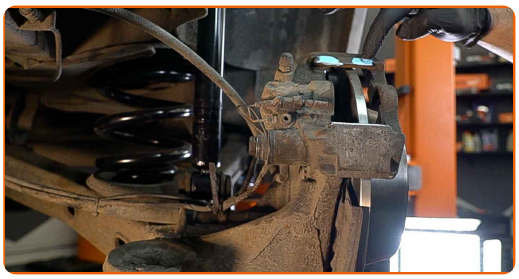
**23** Install the brake caliper and fix it. Use a drive socket #13. Use a drive socket #16. Use a torque wrench. Tighten it to 29 Nm torque.

**24** Clean the brake caliper surface. Use a wire brush. Use a brake cleaner.

## Replacement: brake discs – Mercedes Vito W638. Tip from AUTODOC experts:

- After applying the spray, wait a few minutes.

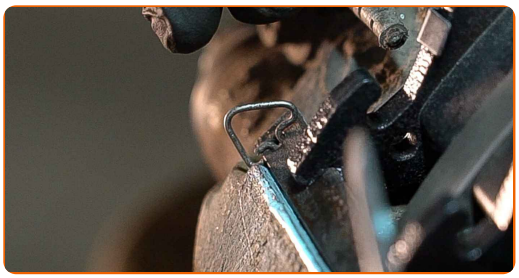
**25** Treat the brake caliper bracket where it contacts the brake pads. Use anti-squeal paste.



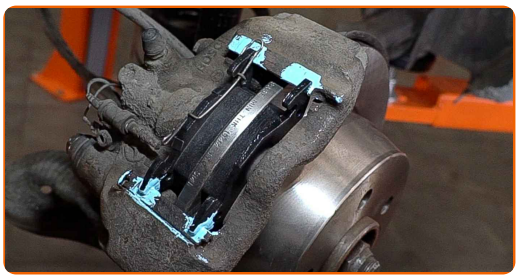
**26** Install the brake pads.

**27** Install the retainer of the brake pads.

**28** Install the brake pad retaining pin.



**29** Install the retaining springs of the brake pads.



**30** Treat the surface where the brake disc contacts the wheel rim. Use copper grease.

**31** Clean the brake disk surface. Use a brake cleaner.

## AUTODOC recommends:

- Replacement: brake discs – Mercedes Vito W638. After applying the spray, wait a few minutes.

**32** Install the wheel.

## Replacement: brake discs – Mercedes Vito W638. Tip from AUTODOC:

- To avoid injury, hold up the wheel when screwing in the fastening bolts.

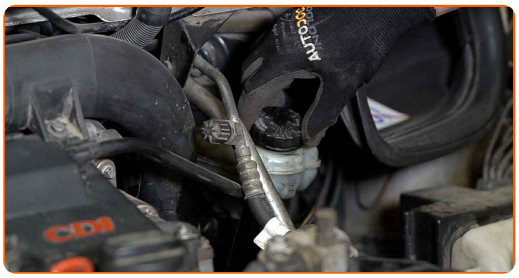
**33** Screw in the wheel bolts. Use wheel impact socket #17.

**34** Lower the car and working in a cross order, tighten the wheel bolts. Use a torque wrench. Tighten it to 175 Nm torque.

## Replacement: brake discs – Mercedes Vito W638. AUTODOC recommends:

- Check the brake fluid level in the expansion tank and refill if necessary.

**35** Tighten the brake fluid reservoir cap. Close the hood.



## AUTODOC recommends:

- Mercedes Vito W638 – Press the brake pedal several times with the engine shut down until you feel the resistance built up.

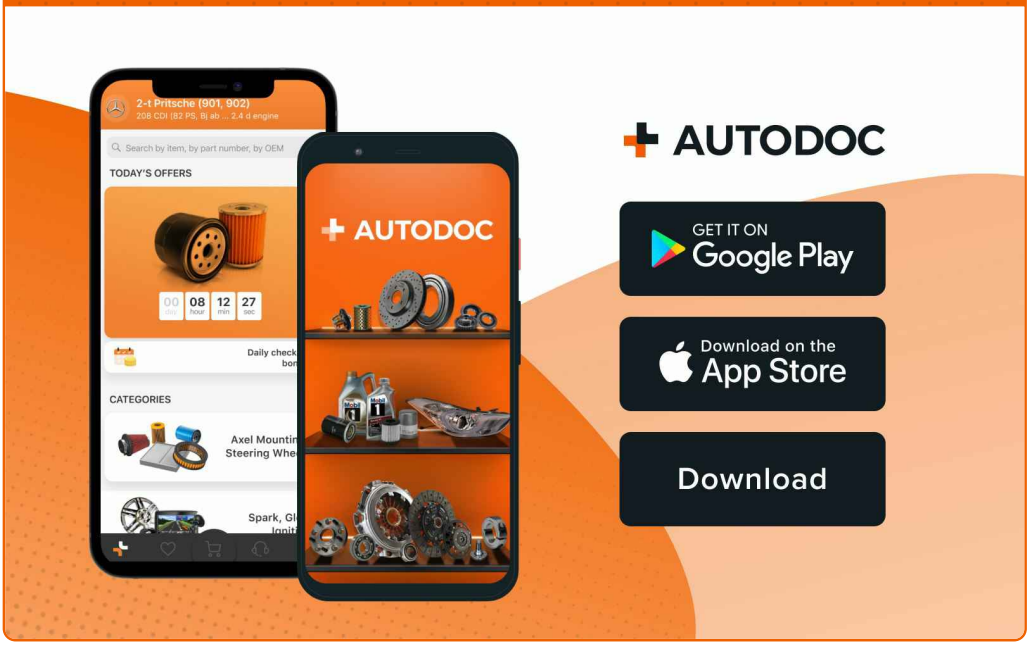
36 Remove the jacks and chocks.

## WELL DONE!

VIEW MORE TUTORIALS

# AUTODOC — TOP QUALITY AND AFFORDABLE CAR PARTS ONLINE

AUTODOC MOBILE APP: GREAT DEALS AND CONVENIENT SHOPPING




A GREAT SELECTION OF SPARE PARTS FOR YOUR CAR

BUY SPARE PARTS FOR MERCEDES

BRAKE DISCS: A WIDE SELECTION

CHOOSE CAR PARTS FOR MERCEDES VITO W638

BRAKE DISCS FOR MERCEDES: BUY NOW

BRAKE DISCS FOR MERCEDES VITO W638: THE BEST DEALS & OFFERS

## ⓘ DISCLAIMER:

The document contains only general recommendations that may be useful for you when you perform repair or replacement work. AUTODOC shall not be liable for any loss, injury, damage of property occurring in the repair or replacement process due to incorrect use or misinterpretation of the provided information.

AUTODOC shall not be liable for any possible mistakes and uncertainties in this guide. The information provided is for information purposes only and cannot replace advice from specialists.

AUTODOC shall not be liable for incorrect or hazardous usage of equipment, tools and car parts. AUTODOC strongly recommends to be careful and observe the safety rules when performing repair or replacement works. Remember: usage of low quality auto parts does not guarantee you the appropriate level of road safety.

© Copyright 2023 – All the contents of this website, in particular texts, photographs and graphics, are protected by copyright. All rights, including reproduction, publication, editing and translation rights, are reserved by AUTODOC SE.